

Patent Abstracts of Japan

PUBLICATION NUMBER : 10110426
PUBLICATION DATE : 28-04-98

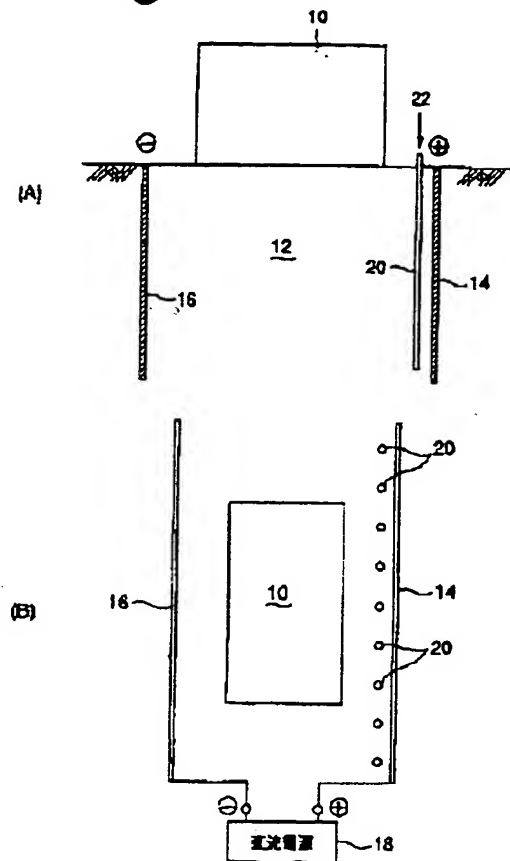
APPLICATION DATE : 08-10-96
APPLICATION NUMBER : 08267051

APPLICANT : TOAGOSEI CO LTD;

INVENTOR : FUKUSHIMA KOICHI;

INT.CL. : E02D 3/12 E02D 3/11

TITLE : INDUCTION INJECTING METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To prevent injected chemical fluid from escaping.

SOLUTION: For improving the ground 12 right under a structure 10, a positive electrode 14 and negative electrode 16 are disposed on the opposite sides of the structure 10. And the electrodes 14, 16 are buried in the ground under such conditions that metal plate members such as steel sheet piles are connected to one another, following which a DC-power source 18 is connected to the electrodes 14, 16 and then an injection pipe 20 is buried near the electrode 14 to inject chemical fluid 22. The fluid 22 is an aqueous solution containing polymerization-curing, cationic metal salt and contains acrylic acid polyvalent metal salt and initiator, and cationic metal salt is diffused to the side of a negative electrode by electrophoresis, which salt is cured by polymerization so that the property of the ground is improved. Since the positive and negative electrodes 14, 16 are formed from plate-like members, the fluid 22 is prevented from escaping.

COPYRIGHT: (C) JPO